Performance Data Sheet

HGA5494BXV

General Information

Model	HGA5494BXV	**Refrigerant**	R-410A
Test Condition	ASHRAE	**Performance Test Voltage**	265V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Btu/h	5370			
	Watts (Power)				
	Amps	2.54			
	Lb/h	73.7			
-23.3	Btu/h	5520	5880		
	Watts (Power)				
	Amps	2.55	2.39		
	Lb/h	75.7	80.5		
-20	Btu/h	5840	5830		
	Watts (Power)				
	Amps	2.57	2.47		
	Lb/h	80.0	79.8		
-15	Btu/h	6400	5960	6220	
	Watts (Power)	180	255	338	
	Amps	2.59	2.57	2.94	
	Lb/h	87.7	81.7	85.2	
-10	Btu/h	7090	6380	6170	6550
	Watts (Power)	452	539	633	754
	Amps	2.60	2.67	3.11	3.59
	Lb/h	97.1	87.4	84.6	89.8
-6.7	Btu/h	7630	6820	6390	6430
	Watts (Power)	559	654	757	885
	Amps	2.59	2.73	3.21	3.73
	Lb/h	104	93.4	87.5	88.0
-5	Btu/h	7930	7100	6580	6470
	Watts (Power)	594	695	802	935
	Amps	2.59	2.75	3.26	3.80
	Lb/h	109	97.2	90.2	88.6
0	Btu/h	8960	8150	7470	7020
	Watts (Power)	640	757	880	1030
	Amps	2.54	2.79	3.38	3.97
	Lb/h	123	112	102	96.1

5	Btu/h	10200	9560	8880	8220
	Watts (Power)	625	760	900	1060
	Amps	2.45	2.80	3.45	4.11
	Lb/h	140	131	122	113
7.2	Btu/h	10800	10300	9660	8970
	Watts (Power)	607	751	900	1070
	Amps	2.40	2.78	3.47	4.15
	Lb/h	148	141	132	123
10	Btu/h	11700	11400	10800	10100
	Watts (Power)	582	738	898	1080
	Amps	2.31	2.75	3.48	4.20
	Lb/h	160	156	148	139
15	Btu/h	13400	13600	13300	12700
	Watts (Power)	547	726	908	1110
	Amps	2.10	2.63	3.44	4.22
	Lb/h	184	186	182	174

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.142458E+04	1.480676E+02	6.890059E+00	1.565217E+02
C2	-5.567038E+01	-9.718144E+00	-8.848786E-02	-7.634818E-01
C3	-6.709156E+01	2.354073E+01	-3.352056E-01	-9.202309E-01
C4	-4.826712E+00	-1.368382E+00	-9.789607E-04	-6.608506E-02
C5	1.489277E+01	4.155812E-01	3.019354E-03	2.040382E-01
C6	-8.993882E-01	-3.274210E-01	7.907575E-03	-1.229835E-02
C7	3.623998E-02	4.606504E-02	-1.444652E-05	4.950307E-04
C8	3.003564E-01	4.589246E-03	3.190940E-06	4.114332E-03
C9	-1.842118E-01	-9.720610E-04	-1.696661E-05	-2.523709E-03
C10	1.321736E-02	2.984725E-03	-5.218574E-05	1.809220E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature